IDEATION PHASE

LITERATURE SURVEY

Team ID	PNT2022TMID43389
Project Name	University Admit Eligibility Predictor

TITLE	YEAR	AUTHORS	LEARNINGS
Graduate Admission Prediction using Machine Learning	2020	Sara Aljasmi, Ali Bou Nassif, Ismail Shahin, Ashraf Elnagar	The performances of four different Machine Learning Techniques such as **multiple linear regression**, **k-nearest neighbour**, **random forest** and **multilayer perceptron** were analysed. The results of the comparison suggested that a model based on **multilayer perceptron** has smallest Mean Absolute Error value.
A Comparison of Regression Models for Prediction of Graduate Admissions	2019	Mohan S Acharya, Asfia Armaan, Aneeta S Antony	The dataset is evaluated using four regression models namely **Linear regression**, **Support Vector regression**, **Decision Tree** and **Random Forest**. On comparison of the performances of the models it is evident that **Linear Regression** has the best performance with a low **Mean Square Error**.

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University Admission Prediction using Machine Learning	2021	Kruthika CS, Apeksha B, Chinmaya GR, Madhumathi JB, Veena MR	This work made use of a **web interface** that the students could use to find out the chance of admit to a particular university. The web interface is used to get input of the student's data and make the necessary prediction. Based on the results of the work done in this project the model based on **Linear Regression** was found to provide an **accuracy** of **82%**.
Predicting the Post Graduate Admissions using Classification Techniques	2021	Selvaprabhu Jeganathan, Saravanan Parthasarathy, Arun Raj Lakshminarayanan, P M Ashok Kumar, Md Khurshid Alam Khan	In this study, six different classification techniques were applied on the dataset comprising of **500 rows of data** and the accuracy of each of those techniques is compared to determine the most suitable classification technique. The dataset was split into **training data** and **testing data** in the ratio of **4:1**. Out of all the algorithms used **Logistic regression** algorithm had the highest possible accuracy.